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**Wiki Assignment #1**

Action research is when you are actively researching a problem and then testing out your problem in a school or what a single person. Based on this type of research, you are using multiple sources about similar studies and you are putting all your work together to solve the problem or to help find a solution to the problem you are researching. The topic that I am interested in is **technology in the class and the effect it has on student achievement.**

**Defining the Problem:** Over the past few years’ technology has increased and it is changing the way how teachers teach their students in the classroom. The problem is being that many schools are not up to date with the technology such as having SMART Boards in every classroom, or each student having an IPad in the class. With this gap in technology between schools it is important to do this type of research because it is important to see if having technology in the classroom has an effect on students.

**Is is researchable?** This topic is researchable and there are many articles that can be used to help support my claim in this action research project.

**Prior Research:** There are at least two articles that I will be using during the action research project to help me. **The first one is**: *Vygotsky Meets Technology: A Reinvention of Collaboration in the Early Childhood Mathematics Classroom* by Megan Cicconi (2013). **The second is:** *Meeting the “Digital Natives”: Understanding the Acceptance of Technology in Classrooms* by Xiaoqing Gu, Yuankun Zhu, and Xiaofeng Guo (2013).

**Pros and Cons:**

Articles that go along with the Pros:

**(1)** *Can E-Learning Replace Classroom Leanring?* By Dongsong Zhang, J Leon Zhao, Lina Zhou, and Jay F. Nunamaker Jr (2004)

**(2)** *Beyond the Classroom: Restructing Schools with Technology* By: Babara Means, Kerry Olson, and Ram Singh (1995)

Articles that go along with the Cons:

**(1*)*** *Potential Pedagogical Benefits and Drawbacks of Multimedia use in the English Language Classroom equipped with interactive whiteboard technology* By: Euline Cutrim Schmid (2004)

**(2)** *Fool’s Gold: A critical look at computers in childhood* By: Colleen Cordes and Edward Miller (2000)

**Current Instructional Strategies:**

**(1**) According to the article *Waking the Dead: Using interactive technology to engage passive listeners in the classroom* By Rand W. Guthrie and Anna Carlin (2004) their study focused on using the Audience Response System in classrooms where students are able to transmit their response to a receiver that is connected to the computer and it shows their results in real time.

**(2)** According to the article *Technology as a transforming teaching strategy* By: Jerry Woodbridge (2004) provides us with examples on how to incorporate technology in the classroom. He wants to teach teachers how to best serve their students by providing with the tools that are necessary for them to learn.

**Practitioners/Theorists:**

**(1**) One theorist who believes in integrating technology in the classroom is Howard Gardner. In his article *Technology remakes the school* (2000) he discusses hot technological innovations is changing education.

**(2)** A second practitioner who believes in integrating technology in the classroom is John Furlong. In the article *The sociology of education and digital technology: past, present, and future* (2014)by Neil Selwyn and Kerri Facer they discuss John Furlong and his views on technology in the classroom.

**Proposed Intervention (Independent Variable):** One way that I want to intervene with the issue of technology is to use the SMART Board when conducting my lesson. I want to conduct six lessons three of which I use the SMART Board to enhance the lesson and the other three lessons is where I do traditional lessons where I do not use the SMART Board. I the article *Factors affecting technology integration in K-12 classrooms: a path novel* by: Fethi A. Inan and Deborah L. Lowther (2009) they discuss different ways to integrate technology in the classroom.

**How will I construct and measure my intervention? (Dependent Variable):** There are several ways that I can measure and propose the intervention. One of the ways is that I can provide the students with a “Do now” and an exit slip.” By giving the students these students some kind of assessment it will help me to see how they are progressing. I will also be conducting informal observations and conduct a survey with teachers to see how they feel about using technology in their own classroom.